

Radiogram No. 5085u

Form 24 for 01/12/2011

PREPARATION FOR EVA. PLASMA CRYSTAL

| GMT | CREW | ACTIVITY |
|-------------|---|---|
| 06:00-06:10 | CDR, FE-2 , FE-5, FE-6 | Morning Inspection |
| 06:00-06:05 | FE-1 | PLASMA CRYSTAL ПК-3 PLUS EB Turbo-Pump Activation |
| 06:00-06:05 | FE-4 | Elektron-VM Aerosol Filter Inspection |
| 06:05-06:30 | | Post-sleep |
| 06:05-06:10 | FE-1 | Morning Inspection |
| 06:10-06:40 | CDR, FE-1 , FE-2 , FE-5, FE-6 | Post-sleep |
| 06:30-07:30 | FE-4 | SPRUT-2 Experiment Ops |
| 06:40-07:30 | CDR, FE-1 , FE-2 , FE-5, FE-6 | BREAKFAST |
| 07:30-07:50 | | Daily Planning Conference (<i>S-band</i>) |
| 07:50-08:10 | FE-1, FE-2 | Work Prep |
| 07:50-08:50 | FE-4 | BREAKFAST |
| 07:50-08:00 | CDR | Work Prep |
| 07:50-07:55 | FE-6 | WHC UPA Config |
| 07:50-07:55 | FE-5 | Work Prep |
| 07:55-08:30 | | Scheduled Maintenance of Compound Specific Analyzer- Combustion Products (CSA-CP) |
| 07:55-08:00 | FE-6 | Work Prep |
| 08:00-09:30 | CDR | Periodic Fitness Evaluation - Nom Ops (subject) |
| 08:00-08:05 | FE-6 | ISS HAM Radio Setup in Service Module |
| 08:05-08:20 | | ISS HAM Radio Session from SM |
| 08:10-08:50 | FE-2 | COЖ Maintenance |
| 08:20-08:35 | FE-6 | Work Prep |
| 08:30-08:55 | FE-5 | Environmental Health System (EHS) CSA-CP Calibration |
| 08:35-09:05 | FE-6 | Periodic Fitness Evaluation - Nom Ops (assistance) |
| 08:50-09:05 | FE-4 | Work Prep |
| 08:55-09:05 | FE-5 | FIR Alignment Guide Removal |
| 08:55-09:05 | FE-2 | Charging Progress 408 CpПК Section 2 with N2 |
| 09:00-09:05 | FE-1 | Comm config prior to PLASMA CRYSTAL-3 experiment |
| 09:05-09:25 | | PLASMA CRYSTAL Hardware Activation and Experiment Start. <i>Tagup with specialists (S-band)</i> |
| 09:05-09:10 | FE-6 | SLAMMD Setup |
| 09:05-09:20 | FE-5 | Private Psychological Conference |
| 09:05-11:15 | FE-2, FE-4 | DC1 and ПхO preparation for EVA |
| 09:10-09:20 | FE-6 | SLAMMD Body Mass Measurement |
| 09:20-09:40 | | BCAT5 Camera Check Without SSC |
| 09:20-10:20 | FE-5 | Physical Exercise T 2 |

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| 09:25-09:45 | FE-1 | TV (ISS-MCC) PLASMA CRYSTAL. Start and Monitor the Experiment. <i>Tagup with specialists (S-band)</i> |
| 09:30-09:40 | CDR | SLAMMD Body Mass Measurement |
| 09:40-09:45 | | Payload MPC Power On |
| 09:40-11:10 | FE-6 | Physical Exercise (ARED) |
| 09:45-09:55 | CDR | CIR Alignment Guide Removal |
| 09:50-10:50 | FE-1 | Physical Exercise (VELO), Day 3 |
| 09:55-10:25 | CDR | Psychological Evaluation Program (WinSCAT) |
| 10:25-10:45 | | HMS Visual Testing Activity |
| 10:45-10:50 | FE-5 | ISS HAM Radio Setup in Service Module |
| 10:45-11:00 | CDR | MI Handle Fastener 1 Installation to MI Handle |
| 10:50-11:10 | FE-1 | PLASMA CRYSTAL Experiment Termination |
| 10:50-11:05 | FE-5 | ISS HAM Radio Session from SM |
| 11:00-11:20 | CDR | BCAT-5 Sample 10 Photography |
| 11:05-11:15 | FE-5 | SLAMMD Body Mass Measurement |
| 11:10-11:20 | FE-6 | FIR Photo/Video Setup |
| 11:10-11:40 | FE-1 | PLASMA CRYSTAL. Copying Data from the Hard Drive. <i>Tagup with Specialists (S-band)</i> |
| 11:15-12:45 | FE-2 | Physical Exercise (TVIS), Day 3 |
| 11:20-12:20 | FE-4, FE-5, FE-6 | CHeCS OBT |
| 11:30-13:00 | CDR | Physical Exercise (ARED) |
| 11:40-11:45 | FE-1 | Comm system reconfig after running PLASMA CRYSTAL-3 experiment |
| 11:45-12:00 | | Verify ИП-1 Flow Meter Configuration |
| 12:00-12:20 | | IMS Update |
| 12:20-12:40 | FE-6 | SLAMMD Equipment Stow |
| 12:20-13:00 | FE-4, FE-5, FE-1 assists | Study of Cardiac Bioelectric Activity At Rest. To=12:34. <i>Tagup with specialists (VHF)</i> |
| 12:40-12:55 | FE-6 | SLAMMD Equipment Stow |
| 13:00-14:00 | | LUNCH |
| 14:00-14:05 | CDR | Payload MPC Power Off |
| 14:00-15:20 | FE-4 | DC1 and ПxO Preparation for EVA |
| 14:00-14:10 | FE-6 | ARIS Range Test Monitoring |
| 14:00-15:30 | FE-1 | Connecting Onboard Cables to PCE (МБРЛ). <i>Tagup with specialists (S-band)</i> |
| 14:00-17:20 | FE-2 | DC1 and ПxO Preparation for EVA |
| 14:00-14:30 | FE-5 | Setup for Robotics OBT |
| 14:05-16:05 | CDR | MI-CORE-CLEANING2 |
| 14:10-14:15 | FE-6 | CGBA 5 Bioprocessor Status Check |
| 14:15-14:30 | | PCS Laptop Connect |
| 14:30-14:35 | FE-5 | Photo/TV Setup for ROBoT Ops |
| 14:35-16:25 | FE-5, FE-6 | Robotics - MSS Proficiency Training |
| 15:20-16:50 | FE-4 | Physical Exercise (TVIS), Day 4 |
| 15:35-16:35 | FE-1 | Install and connect ATV Hand Controller in ISS SM. <i>Tagup with specialists (S-</i> |

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| | | <i>S-band</i>) |
| 16:05-17:05 | CDR | Physical Exercise T 2 |
| 16:25-16:35 | FE-5, FE-6 | Robotics - MSS Proficiency Training |
| 16:35-16:50 | FE-5 | Teardown ROBoT after Training Session |
| 16:35-16:45 | FE-1 | КОБ2 4ГБ4 Half-Coupling Shell Coolant Leak Check |
| 16:35-16:50 | FE-6 | Private Psychological Conference |
| 16:45-18:15 | FE-1 | Physical Exercise (TVIS), Day 3 |
| 16:50-16:55 | FE-5 | Stow Video Equipment Used during ROBoT Ops |
| 16:50-17:50 | FE-4 | Physical Exercise (VELO), Day 4 |
| 16:50-17:10 | FE-6 | HMS Vision Test |
| 16:55-17:10 | FE-5 | FSL FCE locking at the end of scientific operations |
| 17:05-17:25 | CDR | EXPRESS Rack 6 Laptop Configuration |
| 17:10-18:10 | FE-6 | Physical Exercise T 2 |
| 17:15-18:45 | FE-5 | Physical Exercise (ARED) |
| 17:20-17:45 | FE-2 | Evening Work Prep |
| 17:30-17:50 | CDR | Binary Colloid Alloy Test - Crystal Photography |
| 17:45-18:45 | FE-2 | Physical Exercise (VELO), Day 3 |
| 17:50-18:00 | CDR | Closing USOS Window Shutters |
| 18:00-18:15 | | Private Psychological Conference |
| 18:10-18:20 | FE-6 | T2 Snubber Arm Inspection |
| 18:10-18:15 | FE-4 | Elektron-VM Aerosol Filter Inspection |
| 18:15-18:25 | CDR | FIR Alignment Guide Installation |
| 18:15-18:45 | FE-1, FE-4 | Evening Work Prep |
| 18:20-18:25 | FE-6 | |
| 18:25-18:45 | CDR, FE-6 | HTV Conference |
| 18:45-19:10 | | Daily Planning Conference (<i>S-band</i>) |
| 19:10-19:30 | FE-5, FE-6 | Evening Work Prep |
| 19:10-19:25 | CDR | |
| 19:10-19:30 | FE-1, FE-2, FE-4 | Pre-sleep |
| 19:25-19:30 | CDR | MPC Power Up |
| 19:30-19:50 | CDR, FE-2, FE-4, FE-5, FE-6 | Crew conference with Astronaut Office |
| 19:30-19:40 | FE-1 | |
| 19:50-21:25 | CDR | Pre-sleep |
| 19:40-19:55 | FE-1 | On MCC GoMate PCE, ATV Control Panel and БУАП Telemetry Connectors to БИТС2-12 |
| 19:50-21:30 | FE-2, FE-4, FE-5, FE-6 | Pre-sleep |
| 19:55-21:15 | FE-1 | |
| 21:15-21:25 | | Check Secondary Combustion Unit Temperature After Elektron-VM Activation |
| 21:25-21:30 | CDR | MPC Power Down |

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| | FE-1 | PLASMA CRYSTAL PK-3 PLUS Experiment Box Turbo Pump Deactivation |
| 21:30-06:00 | | SLEEP |

Notes:

1. SM Window #9 shutter opening is at crew discretion w/ **Report to MCC**
 2. See OSTP for references to US activities
 3. Pre-sleep ops: daily food prep, dinner, pre-sleep
- End of Radiogram